

**BY ORDER OF THE CHIEF,
NATIONAL GUARD BUREAU**



TECHNICAL ORDER 00-25-172

**AIR NATIONAL GUARD
Supplement 1**

15 March 2005

Technical Order

**GROUND SERVICING OF AIRCRAFT
AND STATIC GROUNDING/BONDING**

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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The purpose of this Technical Order (TO) is to provide guidance to help minimize injury and property damage mishaps associated with aircraft ground servicing operations and other allied support functions accomplished concurrently with ground servicing. TO 00-25-172, 15 July 2002 is supplemented as follows.

SUMMARY OF REVISIONS

This document is substantially revised and must be completely reviewed.

1.4.2. Document training in the CFETP/797 and/or MIS. On other than normal refuel/defuel operations such as hot pit, concurrent, and over the wing the individual shall be at least a 5-Skill Level and possess at least one year of experience on the weapon system.

1.4.5. Document training in the CFETP/797 and/or MIS. The individual shall be at least a 5-Skill Level and possess at least one year of experience on the weapon system.

1.4.9. Document training in the CFETP/797 and/or MIS. The individual shall be at least a 5-Skill Level and possess at least one year of experience on the weapon system.

4.9.a.(2). Air National Guard (ANG) units tasked to use hardened aircraft shelters, which do not meet the National Electrical Codes for Class 1, Division 2 hazardous locations, will comply with the host command directives or in the absence of such directives will de-energize (turn-off) all wall/underwing lights.

4.18.g. F-15 first generation shelter guide rails are exempt as long as the rail channels are free of all hydrocarbons and rails are placed down in stowed position during LOX servicing (except those next to main landing gears).

5.3.a.(19). Aircrew members may remain on board the aircraft during concurrent servicing operations provided all safety procedures and this supplement are followed.

6.2. Units will use procedures contained in AFI 21-101/ANG Sup 1, *Aerospace Equipment Maintenance Management*, for Sortie Generation Operations (SGO).

6.4. Units will use procedures contained in AFI 21-101/ANG Sup 1 to obtain approval for Hot Refueling operations.

6.4.d. Units will follow procedures in AFI 21-101/ANG Sup 1 for annual certification of personnel.

6.5. Units will use procedures contained in AFI 21-101/ANG Sup 1 to obtain site and team certifications prior to performing any Hot Refueling operations.

6.6. Units will use procedures contained in AFI 21-101/ANG Sup 1 to obtain approval for Hot Refueling operations.

6.7.a. Allow for aircraft positioning so that existing winds will blow potential fuel vapor or spray away from the intake of an operating engine.

6.11.d. When the commander of an ANG unit has determined the need for Aircraft to Aircraft refueling (Hot or Cold), the unit will develop the capability and publish it in a unit directive containing the specific procedures in accordance with this technical order. Site and Team certifications and Air National Guard Logistics Systems Support (ANG/LGMM), approval must be obtained prior to performing any aircraft to aircraft fuel transfers using the same procedures as those for Hot Refuel, found in AFI 21-101/ANG Sup 1.

6.13. ANG/LGMM approval for aircraft to aircraft ground refueling with engines running will be given on a case-by-case basis utilizing the same procedures as those found in AFI 21-101/ANG Sup 1.

6.14. ABFDS with ACE to aircraft ground refueling will only be done during contingencies, emergencies, or other exceptional circumstances utilizing command approved checklists. ANG/LGMM approval will be given on a case-by-case basis utilizing the same procedures as those found in AFI 21-101/ANG Sup 1.

6.14.d. Units will use procedures contained in AFI 21-101/ANG Sup 1 for certification requirements.

6.15. ABFDS with ACE to aircraft ground refueling will only be done during contingencies, emergencies, or other exceptional circumstances utilizing command approved checklists. ANG/LGMM approval will be given on a case-by-case basis utilizing the same procedures as those found in AFI 21-101/ANG Sup 1.

6.16.1.b. Document training in the CFETP/797 and/or MIS. Fuels Management Flights subject to perform rapid defueling will develop a complete lesson training plan based on the requirements of this technical order and TO 37A2-2-4-1CL-1. The Fuels Management Flight Commander (FMFC), and Compliance and Environmental (C&E) Supervisor will review and approve the plan prior to implementation. A 2F071, or higher, will conduct initial certification training.

6.16.2. The authority to establish a program for initial training and annual refresher training / certification for personnel involved in wet wing defueling of the aircraft listed in Table 6-4., of the basic TO is delegated to the MXG/CC. Document training/certification in CFETP/797 and/or MIS.

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